

Officers of the California Medical Association

General Officers

President—Charles A. Dukes, 601 Wakefield Building, 426 Seventeenth Street, Oakland.	Vice-Chairman—Charles A. Dukes, 601 Wakefield Building, 426 Seventeenth Street, Oakland.	Secretary-Treasurer—George H. Kress, 450 Sutter Street, Room 2004, San Francisco. Telephone DOuglas 0062.
President-Elect—Harry H. Wilson, 1919 Wilshire Boulevard, Los Angeles.	Chairman of Executive Committee—Philip K. Gilman, 2000 Van Ness Avenue, San Francisco.	Editor—George H. Kress, 450 Sutter Street, Room 2004, San Francisco.
Speaker of House of Delegates—Lowell S. Goin, 414 Wilshire Medical Building, 1930 Wilshire Boulevard, Los Angeles.	Chairman of the Committee on Public Relations—George G. Reinle, 532 Fifteenth Street, Oakland.	General Counsel—Hartley F. Peart, Room 1800, 111 Sutter Street, San Francisco.
Vice-Speaker of House of Delegates—Dewey R. Powell, 501 Medico-Dental Building, 242 North Sutter Street, Stockton.	Past-President—William W. Roblee, 202 Mission Inn Rotunda, Riverside.	Associate General Counsel—Hubert T. Morrow, Van Nuys Building, 210 West Seventh Street, Los Angeles.
Chairman of Council—Karl L. Schaupp, 490 Post Street, San Francisco.		

Councilors

(In addition to the elected district and at-large Councilors, the Council has as ex officio members, the general officers and the Chairman of the Committee on Public Relations. Chairman of Council, Karl L. Schaupp; Secretary, George H. Kress.)

District Councilors		
First District—Imperial, Orange, Riverside, San Bernardino and San Diego Counties, Calvert L. Emmons (1941), 206 Emmons Building, Ontario.	Fifth District—Monterey, San Benito, San Mateo, Santa Clara and Santa Cruz Counties, C. Kelly Canelo (1942), 505 Medico-Dental Building, San Jose.	lano, Sonoma and Trinity Counties, Henry S. Rogers (1940), 200 Fourth Street, Petaluma.
Second District—Los Angeles, Inyo and Mono Counties, George D. Maner (1942), 657 South Westlake Avenue, Los Angeles.	Sixth District—San Francisco County, Karl L. Schaupp (1940), 530 Medico-Dental Building, 490 Post Street, San Francisco.	C. O. Tanner (1942), 3255 Fourth Street, San Diego.
Third District—Kern, San Luis Obispo, Santa Barbara and Ventura Counties, Louis A. Packard (1940), 563 Haberfelde Building, Bakersfield.	Seventh District—Alameda and Contra Costa Counties, Oliver D. Hamlin (1941), 389 Thirtieth Street, Oakland.	William H. Kiger (1940), 911 Wilshire Medical Building, 1930 Wilshire Boulevard, Los Angeles.
Fourth District—Calaveras, Fresno, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus, Tulare and Tuolumne Counties, Axel E. Anderson (1941), Medical Group Building, 1759 Fulton Street, Fresno.	Eighth District—Alpine, Amador, Butte, Colusa, Eldorado, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Sutter, Tehama, Yolo and Yuba Counties, Frank A. MacDonald (1942), 822 Medico-Dental Building, 1127 Eleventh Street, Sacramento.	Philip K. Gilman (1941), 2000 Van Ness Avenue, San Francisco.
	Ninth District—Del Norte, Humboldt, Lake, Marin, Mendocino, Napa, Siskiyou, So-	E. Earl Moody (1941), 829 South Alvarado Street, Los Angeles.
		Elbridge J. Best (1942), 384 Post Street, San Francisco.
		Frederick N. Scatena (1940), Medico-Dental Building, 1127 Eleventh Street, Sacramento.

Standing Committees

Executive Committee		
The President, the President-elect, the Speaker of the House of Delegates, the Chairman of the Council, the Chairman of the Auditing Committee, the Chairman of the Committee on Public Relations, the Past President, the Secretary-Treasurer, and the Editor. (Philip K. Gilman, chairman; George H. Kress, secretary.)		
Auditing Committee		
Philip K. Gilman (Chairman).....	San Francisco	1940
O. D. Hamlin.....	Oakland	1940
Elbridge J. Best.....	San Francisco	1940
Members of the Auditing Committee are appointed each year by the Chairman of the Council.		
Committee on Associated Societies and Technical Groups		
John V. Barrow (Chairman).....	Los Angeles	1940
Edwin L. Bruck.....	San Francisco	1941
Willard H. Newman.....	San Diego	1942
Committee on Health and Public Instruction		
Benjamin W. Black.....	Oakland	1940
Roy E. Thomas (Chairman).....	Los Angeles	1941
William Dock.....	San Francisco	1942
Committee on History and Obituaries		
A. Elmer Belt.....	Los Angeles	1940
Frank R. Makinson (Chairman).....	Oakland	1941
J. Marion Read.....	San Francisco	1942
Secretary ex officio		
Editor ex officio		
Committee on Hospitals, Dispensaries and Clinics		
Karl L. Schaupp.....	San Francisco	1940
George I. Dawson.....	Napa	1941
J. Norman O'Neill (Chairman).....	Los Angeles	1942
Committee on Industrial Practice		
Harry E. Zaiser.....	Orange	1940
Morton R. Gibbons.....	San Francisco	1941
Donald Cass (Chairman).....	Los Angeles	1942
Committee on Medical Defense		
John P. Nuttall.....	Santa Monica	1940
George G. Reinle (Chairman).....	Oakland	1941
William J. Van Den Berg.....	Sacramento	1942
Committee on Medical Economics		
Edward M. Pallette, Sr.....	Los Angeles	1940
John H. Graves (Chairman).....	San Francisco	1941
L. W. Hines.....	Santa Rosa	1942
Committee on Medical Education and Medical Institutions		
John B. Doyle.....	Los Angeles	1940
B. O. Raulston.....	Los Angeles	1941
L. R. Chandler (Chairman).....	San Francisco	1942
Committee on Membership and Organization		
G. Dan Delprat.....	San Francisco	1940
George D. Maner (Chairman).....	Los Angeles	1941
Dewey R. Powell.....	Stockton	1942
Committee on Postgraduate Activities		
Dwight L. Wilbur (Chairman).....	San Francisco	1940
F. E. Clough.....	San Bernardino	1941
H. E. Henderson.....	Santa Barbara	1942
Secretary ex officio		
Committee on Publications		
Ralph B. Eusden (Chairman).....	Long Beach	1940
Ruggles A. Cushman.....	Talmage	1941
Francis E. Toomey.....	San Diego	1942
Secretary ex officio		
Editor ex officio		
Committee on Public Policy and Legislation		
E. T. Remmen.....	Glendale	1940
Junius B. Harris (Chairman).....	Sacramento	1941
T. Henshaw Kelly.....	San Francisco	1942
President ex officio		
President-Elect ex officio		
Committee on Scientific Work		
Lemuel P. Adams.....	Oakland	1940
J. Homer Woolsey.....	Woodland	1941
Howard F. West.....	Los Angeles	1942
Russell V. Lee, Secretary of Section on General Medicine, ex officio		
Frederick S. Foote, Secretary of Section on General Surgery, ex officio		
George H. Kress, Secretary of California Medical Association, (Chairman) ex officio		
Committee on Public Relations		
The Committee on Public Relations consists of the chairmen of the following standing committees and of certain general officers of the Association, all serving ex officio. The chairman of the committee is George G. Reinle, the secretary is George H. Kress. The director of the Department of Public Relations is George H. Kress. The chairman of the Committee on Public Relations is ex officio a member of the Council.		
Roy E. Thomas.....Chair., Com. on Health and Public Instruction		
J. Norman O'Neill.....Chair., Com. on Hospitals, Dispensaries, Clinics		
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George G. Reinle.....Chair., Com. on Medical Defense		
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Communications for the Public Relations Department should be addressed to the Director, George H. Kress, M. D., Room 2004, 450 Sutter Street, San Francisco.		
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Charles A. Dukes.....	Oakland	1940
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Otto H. Pfueger (Secretary).....	San Francisco	1940
Orville N. Meland (Sec. for Southern Section).....	Los Angeles	1941
A. Herman Zeiler.....	Los Angeles	1941
Gertrude Moore.....	Oakland	1941
Clarence J. Berne.....	Los Angeles	1942
Alson R. Kilgore (Chairman).....	San Francisco	1942
Henry J. Ullmann.....	Santa Barbara	1942
Communications for the Cancer Commission should be addressed to the Secretary, Otto H. Pfueger, M. D., Room 2004, 450 Sutter Street, San Francisco.		

(Roster lists of officers of scientific sections, component county societies, Woman's Auxiliary, A. M. A. delegates, special committees, etc., are continued on advertising pages 4 and 6.)

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California Packet Library Services

In connection with postgraduate and other studies, the packet library facilities of the larger medical libraries of California may be mentioned. Letters regarding literature, etc., may be addressed to the librarians of the following institutions:

(Continued on Page 5)

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ROSTER OF COUNTY MEDICAL SOCIETIES, CALIFORNIA MEDICAL ASSOCIATION

(County society secretaries are requested to promptly notify "California and Western Medicine" when changes are indicated in their roster information.)

Alameda County Medical Association
2404 Broadway, Oakland
President, A. A. Alexander, 1904 Franklin Street, Oakland.
Secretary, Gertrude Moore, 2404 Broadway, Oakland.
Meeting, *Third Monday, 8:15 p. m., Hunter Hall, Oakland.*

Butte County Medical Society
President, William W. Carey, 103 Hazel Street, Gridley.
Secretary, J. O. Chiappella, 131 Broadway, Chico.
Meeting, *Second Thursday.*

Contra Costa County Medical Society
President, Kaho Daily, 314 Tenth Street, Richmond.
Secretary, Clifford E. Dietderich, 1306 Pomona Avenue, Crockett.
Meeting, *Second Tuesday, 8:00 p. m.*

Fresno County Medical Society
President, Ray R. Dearborn, First National Bank Building, Madera.
Secretary, J. E. Young, 405 Rowell Building, Fresno.
Meeting, *First Tuesday, University-Sequoia Club, Fresno.*

Humboldt County Medical Society
President, John N. Chain, Fourth and E Streets, Eureka.
Secretary, Joseph S. Woolford, 350 E Street, Eureka.
Meeting, *First Thursday.*

Imperial County Medical Society
President, Henry B. Graeser, 115 E. Fifth Street, Holtville.
Secretary, William A. Clarke, Holtville.
Meeting, *Third Tuesday, 7:00 p. m., Barbara Worth Hotel, El Centro.*

Inyo-Mono County Medical Society
President, Lloyd S. Bambauer, 705 Home Street, Bishop.
Secretary, Clarence L. Scott, 609 Elm Street, Bishop.
Meeting, *Fourth Wednesday, Methodist Church, Bishop, except December, January, February.*

Kern County Medical Society
President, C. S. Compton, 428 C Street, Bakersfield.
Secretary, Eric F. Colby, Hopkins Building, Bakersfield.
Meeting, *Third Thursday, 8:00 p. m.*

Kings County Medical Society
President, P. K. Edmunds, Corcoran.
Secretary, William A. Johnstone, Hanford.
Meeting, *Second Monday, 8:00 p. m., Legion Hall, Hanford.*

Lassen-Plumas-Modoc County Medical Society
President, W. B. McKnight, Portola.
Secretary, Bernard S. Holm, Quincy.
Meeting, *On Call.*

Los Angeles County Medical Association
1925 Wilshire Boulevard, Los Angeles
President, Roy E. Thomas, 1136 W. Sixth Street, Los Angeles.
Secretary, L. A. Alesen, 1925 Wilshire Boulevard, Los Angeles.
Meetings, *First and Third Thursdays, 1925 Wilshire Boulevard, Los Angeles.*

Marin County Medical Society
President, Harry N. Hensler, Home Market Building, San Anselmo.
Secretary, Carl W. Clark, 510 B Street, San Rafael.
Meeting, *Fourth Thursday, 7:00 p. m., Marin Golf and Country Club.*

Mendocino-Lake County Medical Society
President, Dallas L. Wagner, 615 Main Street, Fort Bragg.
Secretary, Royal Scudder, Fort Bragg.
Meeting, *On Call.*

Merced County Medical Society
President, William E. Fountain, 557 Seventeenth Street, Merced.
Secretary, James A. Parker, Bank of America Building, Merced.
Meeting, *Third Thursday, Hotel Tioga, Merced.*

Monterey County Medical Society
President, Mast Wolfson, 215 Franklin Street, Monterey.
Secretary, Arnold Manor, 215 Franklin Street, Monterey.
Meeting, *First Thursday.*

Napa County Medical Society
President, Frank X. McGreane, Silverado Sanatorium, Calistoga.
Secretary, M. M. Booth, Bruck Building, St. Helena.
Meeting, *First Wednesday.*

Orange County Medical Society
President, John A. Wood, 605 No. Los Angeles Street, Anaheim.
Secretary, Glenn Curtis, 323 North Pomona Street, Brea.
Meeting, *First Tuesday, 8:00 p. m., Chapel of the Orange County Hospital, Orange.*

Placer County Medical Society
President, William M. Miller, Auburn.
Secretary, Robert A. Peers, Colfax.
Meeting, *At Call of President.*

Riverside County Medical Society
President, Thomas A. Card, 3616 Main Street, Riverside.
Secretary, W. Philip Corr, 3616 Main Street, Riverside.
Meeting, *Second Monday, 8:00 p. m., Library, Riverside Community Hospital.*

Sacramento Society for Medical Improvement
President, Norris R. Jones, M. D., 1127 Eleventh Street, Sacramento.
Secretary, Glenn E. Millar, 321 Physicians Building, Sacramento.
Meeting, *Third Tuesday, 8:30 p. m., Auditorium, Sacramento.*

San Benito County Medical Society
President, J. M. O'Donnell, Hollister.
Secretary, L. E. Smith, Hollister.
Meeting, *At Call of President.*

San Bernardino County Medical Society
President, Walter S. Cherry, Rialto.
Secretary, A. E. Varden, Medico-Dental Building, San Bernardino.
Meeting, *First Tuesday, 8:00 p. m., San Bernardino County Charity Hospital.*

San Diego County Medical Society
1410 Medico-Dental Building, 233 A Street, San Diego
President, Joseph Weinberger, Medico-Dental Building, 233 A Street, San Diego.
Secretary, C. V. Bernardini, 1410 Medico-Dental Building, 233 A Street, San Diego.
Meeting, *Second Tuesday, University Club.*

San Francisco County Medical Society
2180 Washington Street, San Francisco
President, William Reilly, 490 Post Street, San Francisco.
Secretary, L. Henry Garland, 2180 Washington Street, San Francisco.
Meetings, *Every Tuesday, 8:15 p. m., 2180 Washington Street, San Francisco.*

San Joaquin County Medical Society
President, Hugh J. Bolinger, Farmers and Merchants Bank Building, Lodi.
Secretary, George H. Rohrbacher, 1005 Medico-Dental Building, Stockton.
Meetings, *First Thursday, 8:15 p. m., Medico-Dental Club Rooms, Stockton.*

San Luis Obispo County Medical Society
President, F. W. Yocom, 732 Thirteenth Street, Paso Robles.
Secretary, E. M. Ringham, County Health Department, San Luis Obispo.
Meeting, *Third Saturday, 6:30 p. m., Gold Dragon Cafe, San Luis Obispo.*

San Mateo County Medical Society
President, Carl D. Benninghoven, Mills Memorial Hospital, San Mateo.
Secretary, Robert F. Monteith, 18 California Street, Redwood City.
Meeting, *Fourth Wednesday, Benjamin Franklin Hotel, San Mateo.*

San Mateo County Medical Society
President, Carl D. Benninghoven, Mills Memorial Hospital, San Mateo.
Secretary, Robert F. Monteith, 18 California Street, Redwood City.
Meeting, *Fourth Wednesday, Benjamin Franklin Hotel, San Mateo.*

Santa Barbara County Medical Society
President, Henry J. Profant, 1421 State Street, Santa Barbara.
Secretary, D. H. McNamara, 317 W. Pueblo Street, Santa Barbara.
Meeting, *Second Monday, Cottage Hospital.*

Santa Clara County Medical Society
President, Merlin T.-R. Maynard, 241 East Santa Clara Street, San Jose.
Secretary, Leslie B. Magoon, 652 East Santa Clara Street, San Jose.
Meeting, *Third Wednesday, 8:00 p. m., Medico-Dental Building, San Jose.*

Santa Cruz County Medical Society
President, A. F. Giberson, Watsonville.
Secretary, Samuel B. Randall, 84 Walnut Avenue, Santa Cruz.
Meeting, *First Tuesday of each month (except June, July and August), 7:30 p. m., Club Rio del Mar, Aptos.*

Shasta County Medical Society
President, Clarence C. Gerrard, Redding.
Secretary, Bertram L. Trelstad, 1536 Market Street, Redding.
Meeting, *Second Monday.*

Siskiyou County Medical Society
President, Charles Pius, Yreka.
Secretary, Victor W. Hart, 113 No. Oregon Street, Yreka.
Meeting, *Sunday on call.*

Solano County Medical Society
President, H. Randall Madeley, 727 Sonoma Street, Vallejo.
Secretary, John W. Green, Box 539, Vallejo.
Meeting, *Second Tuesday, 8:00 p. m., Casa de Vallejo Hotel, Vallejo.*

Sonoma County Medical Society
President, S. Z. Peoples, 159 Kentucky Street, Petaluma.
Secretary, T. E. Albers, 600 B Street, Santa Rosa.
Meeting, *Second Thursday.*

Stanislaus County Medical Society
President, Richard D. Husband, P. O. Box 709, Modesto.
Secretary, Hoyt R. Gant, 403 Beaty Building, Modesto.
Meeting, *Second Friday, 7:30 p. m., Hotel Hughson.*

Tehama County Medical Society
President, O. T. Wood, Red Bluff.
Secretary, R. G. Frey, Red Bluff.
Meeting, *At Call of President.*

Tulare County Medical Society
President, Ray E. Cronemiller, 160 South E Street, Exeter.
Secretary, Forrester G. Powell, 222 W. Willow Street, Visalia.
Meeting, *Sunday Evening once a month.*

Ventura County Medical Society
President, Harry E. Barker, 1484 East Main Street, Ventura.
Secretary, A. A. Morrison, 625 Main Street, Santa Paula.
Meeting, *Second Tuesday, Ventura County Country Club.*

Yolo-Colusa-Glenn County Medical Society
President, Charles F. Keith, Williams.
Secretary, W. J. Blevins, Jr., Woodland.
Meeting, *First Tuesday.*

Yuba-Sutter County Medical Society
President, Ben F. Miller, Yuba City.
Secretary, Leon M. Swift, I. O. O. F. Building, Marysville.
Meeting, *First Tuesday.*

(Roster lists continued on advertising page 6)

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(Continued from Page 3)

University of California Medical Library, Medical Center, San Francisco.

Lane Medical Library (Stanford), 2398 Sacramento Street, San Francisco.

Barlow Medical Library (Los Angeles County Medical Association), 634 South Westlake, Los Angeles.

Nonprofit Hospitalization Corporations

In California, the three nonprofit hospitalization corporations named below are in operation:

Associated Hospital Service of Southern California, 1151 South Broadway, Los Angeles.

Insurance Association of Approved Hospitals, 369 Pine Street, San Francisco; 675 East Santa Clara, San Jose; Easton Building, Oakland.

Intercoast Hospitalization Insurance Association, 1127 "J" Street, Sacramento.

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OFFICERS OF SCIENTIFIC SECTIONS, CALIFORNIA MEDICAL ASSOCIATION

Request is made that any member who desires to submit papers before an annual session section, write in regard thereto, to respective section secretary, as soon as convenient after the close of an annual session.

Anesthesiology Chairman, Adena C. Dutton, 2400 Pacific Avenue, San Francisco. Secretary, Charles F. McCuskey, 1561 Pueblo Drive, Glendale.	General Surgery Chairman, Clarence E. Rees, 2001 Fourth Avenue, San Diego. Secretary, Frederick S. Foote, 490 Post Street, San Francisco. Assistant Secretary, Frank J. Breslin, 2007 Wilshire Boulevard, Los Angeles.	Pathology and Bacteriology Chairman, Paul H. Guttman, 1127 Eleventh Street, Sacramento. Secretary, Roy W. Hammack, 657 South Westlake Boulevard, Los Angeles. Assistant Secretary, John W. Budd, 2131 West Third Street, Los Angeles.
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Miscellaneous California Medical Organizations

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*"Treatment of Acute Anterior Urethritis with Silver Picrate," Knight and Shelanski, *AMERICAN JOURNAL OF SYPHILIS, GONORRHEA AND VENEREAL DISEASES*, Vol. 23, No. 2, pages 201-206, March, 1939.

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Cauterization of Wounds from Dog Bites Is Necessary.*—The effectiveness of cauterization of wounds from bites of rabid dogs has been questioned recently, although this is a certain, well-founded and time-tried method of preventing rabies. The procedure was established even before the days of Pasteur, and has been confirmed scientifically since that time. It is essential, therefore, that the subject be reviewed at the present time in order that health officers and public health workers in general may be assured of the value that lies in the immediate cauterization of such wounds.

It is recognized that the Pasteur treatment is not 100 per cent effective, because it is unable to protect against more than two or three minimal infective doses or to develop the requisite degree of immunity in cases where the incubation period is short. Therefore, any other form of treatment in which there is any hope whatsoever of exerting a preventive influence must be applied. The only other treatment now available is cautery, either actual, as in the days of Pasteur, or by nitric acid, which is used commonly at the present time.

The rationality of this procedure can be appreciated readily by a consideration of certain factors that concern virus invasions, particularly the virus of rabies. Anyone who has ever tried to stop a smallpox vaccination "take" by scrubbing with soap and water or even by the application of iodine will appreciate the need of a destructive agent—one that is destructive alike to the tissues and to the virus that is still superficial. That the virus of rabies can be present in the wound for a considerable time and not carried away rapidly by the lymphatics is an indis-

(Continued on Page 9)

* By W. H. Kellogg, M. D., Chief, Division of Laboratories, California State Department of Public Health.

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(Continued from Page 7)

putable fact. For that reason, any rabies virus that may be taken up by the lymphatics is rendered *hors de combat*.

Rabies cannot be produced experimentally by introducing large quantities of the virus into milk that may be fed to susceptible animals. The disease is never produced through the consumption of milk from rabid animals, although the virus, it is reported, has been demonstrated in milk. The writer of this article has inoculated subcutaneously in rabbits a thousand minimal infective doses of fixed virus without producing infection.

The portal of entry of the rabies virus in nature is not the lymphatics or the blood stream, but the nerves. It is by way of the nerve trunks that the virus travels from the small branches in the superficial tissues to the cord and brain. The rate of travel is slow, which accounts for the

(Continued on Next Page)

HOSPITALS AND SANATORIUMS

The Institutions here listed have announcements in this issue of CALIFORNIA AND WESTERN MEDICINE. For Index, see advertising page 8.

ALEXANDER SANITARIUM Nervous and Mental Diseases Belmont, California	COMPTON SANATORIUM AND LAS CAMPANAS HOSPITAL Neuropsychiatric and General Compton, California	POTTENGER SANATORIUM AND CLINIC For the Treatment of Tuberculosis Monrovia, California
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(Continued from Preceding Page)

long incubation period of the disease. It is obvious that when the inoculation is near the brain the incubation period is shorter, because the distance of travel is shorter.

While it is true that experimental infection can be produced by intravenous inoculation, the doses required are enormous, as compared to the natural method of inoculation by animal bite, and the results are uncertain and irregular. There is no evidence that natural infection ever occurs by way of the blood stream. Animals survive experimental nerve inoculations when the nerve trunk central to the site of an inoculation is resected, while the resected nerves themselves are infective. It has also been shown that the portion of the spinal cord in connection with an infected nerve becomes infective before the rest of the central nervous system (Marie et al., 1927). Even the infectious quality of saliva is not due to any involvement of the salivary gland tissue, but the presence in them of neurons, which may occur as single cells or as ganglionic aggregations and which are seated just under the epithelium, the virus being set free from the neurons by abrasion of the epithelium (Topley and Wilson). The virus may spread centrifugally from the brain and be found in such nerves as the brachial and sciatic (Nicalou and Galloway, 1928).

Fuming nitric acid destroys both tissues and virus, not only on the surface contacted, but the effect penetrates for a limited although appreciable depth. The contention that one cannot reach absolutely all corners which harbor virus and that for this reason cauterization is useless is without merit. The importance of dosage in relation to the chance of successful infection in all diseases is well known. The principle is of manifold importance in rabies, where the vaccination treatment is capable of generating a resistance against only a limited amount of virus. It is therefore most

essential that the specific treatment be aided by a reduction of the force it has to combat and this aid is very effectively given by a thorough cauterization of the wound. Cauterized wounds heal readily and consideration of scarring have no weight whatever. Indeed, bites on the face, where cauterization is most likely to be withheld because of the fear of scarring, are precisely those that above all others require thorough treatment for reasons previously referred to.

As between prompt and thorough cauterization and the Pasteur treatment, there is a question as to which, used alone, would be the more effective. In my opinion, if all the facts were known, it would be found that cauterization is the more valuable. The various estimates of the percentage of success of the vaccine treatment are subject to considerable modification, because of the many unknown factors that tend to swell the number of cases that should not be entered in this series. There are such things as the amount of virus introduced (only one out of six develops rabies without treatment), bites through clothing, question of rabies in the dog, etc. Everything considered, the omission of cauterization by a physician who knows these facts is nothing short of criminal.

By study man produced the stone tool, the bow and arrow, the numerals, and the alphabet. Likewise tillage, books, and all else by which he lifted himself out of savagery. Among his great works—poems, commerce, and government—each is a creation of the mind. The structures in which man resides, works, and escapes the pelting elements, the conveyances in which he travels, are but mental reflections that have taken tangible form.

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brought out by Dr. P. A. Neal of Washington, D. C., in *The Journal of the American Medical Association*.

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In addition to recommending complete preemployment examinations for plate printers and periodic examinations thereafter, with particular attention being paid to evidences of skin diseases, the author suggests that workers handling cleaning fluids should wear rubber gloves and that clean towels and clean aprons should be furnished to the workers daily. The use of a common oil trough or of strong cleaning agents and alkalis should be discontinued. Shower baths and washrooms should be scrubbed daily with soap and hot water. Individual paper sandals should be furnished workers using the shower baths, and separate lockers for work clothes and street clothes should be furnished plate printers to prevent soiling the street clothes with the inks and other substances capable of producing dermatitis.

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Manual of Dermatology. By Carroll S. Wright, B. S., M. D., Professor of Dermatology and Syphilology, Temple University School of Medicine; Associate Professor of Dermatology and Syphilology, Graduate School of Medicine, University of Pennsylvania; Fellow of the College of Physicians of Philadelphia; Member of the American Dermatological Association; American Academy of Dermatology, Society for Investigative Dermatology; Consulting Dermatologist, Temple University Hospital, Philadelphia Municipal Hospital, Shriners Hospital, Widener Home for Crippled Children, Elwyn Training School, Vineland Training School, Pennsylvania Institution for the Blind. Cloth. Pp. 376. Price, \$4. Philadelphia: The Blakiston Company, 1940.

Directory of Medical Specialists Certified by American Boards, 1939. Paul Titus, M. D., Directing Editor. Cloth. Pp. 1573. New York: Columbia University Press, 1940.

Nonprofit Hospital Service Plans. Historical and Critical Analysis of Group Hospitalization, a Nonprofit, Nonpolitical Application of the Principle of Insurance to the Purchase of Hospital Care. By C. Rufus Rorem, Ph. D., C. P. A., Director, Commission on Hospital Service, American Hospital Association, Chicago. Paper. Pp. 130. Price, 50 cents. Chicago: Commission on Hospital Service, 1940.

Modern Diabetic Care. Including Instructions in the Diet and the Use of the Old and New Insulins. By Herbert Pollack, A. B., Ph. D., M. D., Instructor in Clinical Medicine, Cornell Medical College; Chief of the Diabetic Clinic, Mt. Sinai Hospital, New York City; Fellow of the New York Academy of Medicine; Fellow of the American Medical Association. Cloth. Pp. 216. Price, \$2. New York: Harcourt, Brace and Company, 1940.

Clinical Toxicology. By Clinton H. Thienes, M. D., Ph. D., Professor of Pharmacology and Head of the Department of Pharmacology, School of Medicine, University of Southern California, Los Angeles; Attending Pathologist (Toxicology), Los Angeles County Hospital. Cloth. Pp. 309, illustrated. Price, \$3.50. Philadelphia: Lea & Febiger, 1940.

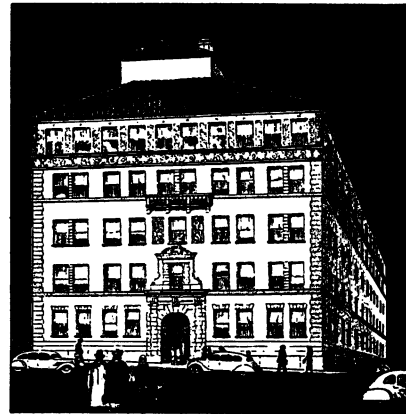
Shock: Blood Studies as a Guide to Therapy. By John Scudder, M. D., Med. Sc. D., F. A. C. S., from the Surgical Pathology Laboratory of the College of Physicians and Surgeons, Columbia University, and the Department of Surgery, the Presbyterian Hospital, New York City. Cloth. Pp. 315, with 55 illustrations, and five plates, three of which are in color. Price, \$5.50. Philadelphia: J. B. Lippincott Company, 1940.

The New International Clinics. Original Contributions; Clinics; and Evaluated Reviews of Current Advances in the Medical Arts. Edited by George Morris Piersol, M. D., Professor of Medicine, Graduate School of Medicine, University of Pennsylvania, Philadelphia. Volume I, New Series Three, 1940. Cloth. Pp. 319. Philadelphia: J. B. Lippincott Company, 1940.

Reports on Medical Progress 1939, as Published in the New England Journal of Medicine. Compiled and edited by Robert N. Nye, M. D. Cloth. Pp. 562. Price, \$5. Boston: Little, Brown & Company, 1940.

The Management of Obstetric Difficulties. By Paul Titus, M. D., Obstetrician and Gynecologist to The St. Margaret Memorial Hospital, Pittsburgh; Consulting Obstetrician and Gynecologist to the Pittsburgh City Homes

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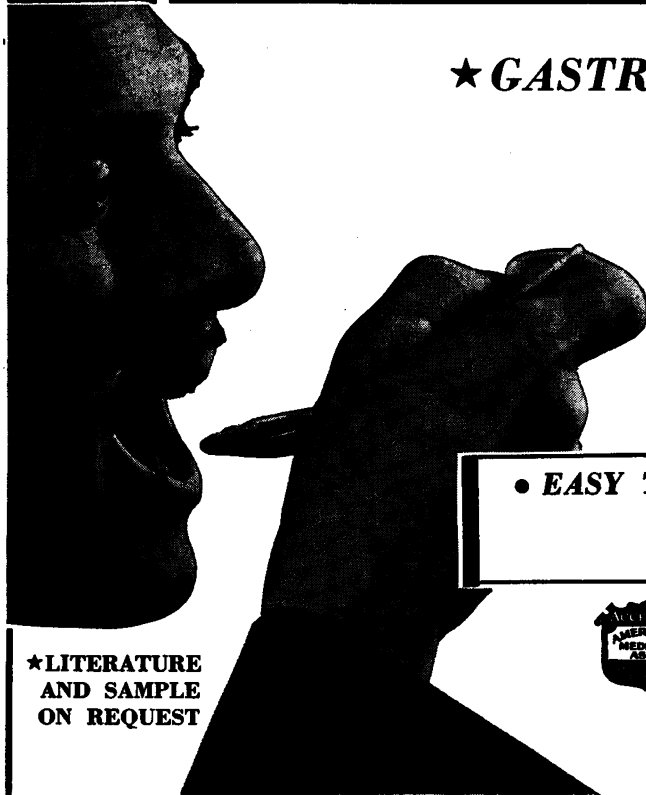
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and Hospital, Mayview, and to the Homestead Hospital, Homestead, Pa.; Secretary of The American Board of Obstetrics and Gynecology. Second edition. Cloth. Pp. 968, with 368 illustrations and 5 color plates. Price, \$10. St. Louis: The C. V. Mosby Company, 1940.

Trapping the Common Cold. By George Sanford Foster, M. D. Cloth. Pp. 125. Price, \$1.25. New York: Fleming H. Revell Company, 1940.

Ten Years in the Congo. By W. E. Davis. Cloth. Pp. 301. Price, \$2.50. New York: Reynal & Hitchcock, Inc., 1940.

Menstrual Disorders. Pathology, Diagnosis and Treatment. By C. Frederic Fluhmann, B. A., M. D., C. M., Associate Professor of Obstetrics and Gynecology, Stanford University School of Medicine, San Francisco, California; Assistant Visiting Obstetrician and Gynecologist to Lane and Stanford University Hospitals; Fellow of the American Gynecological Society. Cloth. Pp. 329, illustrated. Price, \$5.00. Philadelphia: W. B. Saunders Company, 1939.

Injuries of the Skull, Brain and Spinal Cord. Neuro-Psychiatric, Surgical, and Medico-Legal Aspects. Edited by Samuel Brock, M. D., New York University. Cloth. Pp. 632, illustrated. Price, \$7.00. Baltimore: The Williams & Wilkins Company, 1940.

The 1939 Year Book of Neurology, Psychiatry and Endocrinology. Edited by Hans H. Reese, M. D., Professor of Neurology and Psychiatry, University of Wisconsin Medical School; Nolan D. C. Lewis, M. D., Director, New

York Psychiatric Institute and Hospital; Professor of Psychiatry, Columbia University; and Elmer L. Sevringhaus, M. D., Professor of Medicine, University of Wisconsin Medical School. Cloth. Pp. 784, illustrated. Price, \$3.00. Chicago: The Year Book Publishers, Inc., 1940.

The 1939 Year Book of Dermatology and Syphilology. Edited by Fred Wise, M. D., Clinical Professor of Dermatology and Syphilology, New York Postgraduate Medical School and Hospital of Columbia University; Member of the American Dermatological Association, Inc., and Marion B. Sulzberger, M. D., Assistant Clinical Professor of Dermatology and Syphilology, New York Postgraduate Medical School and Hospital of Columbia University; Member of the American Dermatological Association, Inc. Cloth. Pp. 740, illustrated. Price, \$3.00. Chicago: The Year Book Publishers, Inc., 1940.

BOOK REVIEWS

Injuries to the Nervous System, Including Poisonings. By Otto Marburg, M. D., Clinical Professor of Neurology, Columbia University; Research Neuropathologist, Montefiore Hospital, New York; Former Director of Neurologisches Institut der Universität Wien, and Max Helfand, M. D., Assistant Clinical Professor of Neurology and Psychiatry, Columbia University; Chief of Nerve Clinic, Post-Graduate Hospital, New York; Associate Attending Neurologist and Psychiatrist, Welfare Hospital, New York; Attending Neurologist and Psychiatrist, Department of Correction, New York. Cloth. Pp. 213. Price, \$3. New York: Veritas Press, 1939.

The senior author, Doctor Marburg, is one of the leading neurologists of our time and a former director of the famous Neurological Institute of Vienna, long the Mecca of neuropathologists from all over the world. Having published previously several works on injuries of the nervous system, this book is essentially a condensation of his monograph in the Handbuch der Neurologie of Bumke and

(Continued on Page 18)



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BOOKS RECEIVED

(Continued from Page 16)

Foerster. The little volume gives in concentrated form a wealth of information both on the pathology and the clinical features, as well as on the treatment of the injuries of the nervous system. For the practitioner many very useful data are covered here in a comparatively small space. Unfortunately, the printing has been done hastily, on which account the book contains too many misspellings and typographical errors. Other mistakes mar the work, as for instance, the posterior meningeal artery has been made to originate from the vestibular artery. It is a great pity that the style is not clear. In some places it is awkward, even prohibitive. Many a sentence, in fact, one must reread to get its meaning. For the second edition which will certainly be forthcoming, since there is a need for such a compendium from such authority, the book must be completely rewritten. Some amplification would also be desirable. However, the reader who takes pains to work through all the difficulties of style will, nevertheless, be vastly

repaid by the rich content based on very careful study of the literature and unusually great personal experience.—Robert War-tenberg.

The Rockefeller Foundation. International Health Division, Annual Report, 1938. Paper. Pp. 233. New York: The Rockefeller Foundation, 1939.

This book contains a number of related laboratory studies in public health problems, the aim of which is to refine and amplify the efficiency of certain accepted methods for the eradication of a number of communicable diseases by increasing the potential of cultured virus and bacteria, or their products, which are used for producing immunity by inoculation or vaccination.

The report also contains studies in public health problems related especially to hygiene, and brief narrations and expositions of the survey, together with the naming of the countries in which the work was carried on.—W. H. Probert.

Vitamin B₁ (Triamin) and Its Use in Medicine. By Robert R. Williams, Sc.D., of the Bell Telephone Laboratories, and Tom D. Spies, M.D., Associate Professor of Medicine, University of Cincinnati. Cloth. Pp. 141. Price, \$5. New York: The Macmillan Company, 1938.

With the increasingly important rôle being played by vitamin B₁ in clinical medicine, this thorough and exhaustive study on the subject by two such well-known and recognized authorities as Robert R. Williams, Sc.D., and Tom D. Spies, M.D., offers much of value to all interested in medical science, including the physician, research and laboratory worker, and the dietitian. It is divided into

two parts, the first of which contains in detail information which the clinician may use in daily practice. It mirrors the authors' extensive studies and experiences, and gives the reader a wealth of practical knowledge. The second part takes up the history and experimental work, with a critical analysis of the latter. This section is designed for those who desire a more thorough understanding of the subject, offering a summary of the work to date.

The book is well written and should prove of great value to all interested in this field.—Harry N. Akesson.

Law and Contemporary Problems. A Quarterly Published by the Duke University School of Law. Professor David F. Cavers, Editor. Volume VI, No. 4, Autumn, 1939. Paper. Pp. 185. Durham, North Carolina: Duke University Press, 1939.

California physicians and laymen alike will see much to interest them in the Autumn, 1939, number of *Law and Contemporary Problems*. In particular, they will find it to

(Continued on Page 20)

PROFESSIONAL PROTECTION



A DOCTOR SAYS:

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BOOK REVIEWS

(Continued from Page 18)

their advantage to study "The Organization of California Physicians' Service," by Hartley F. Peart and Howard Hassard. The professional membership in the organization already exceeds 5,000, and the beneficiary membership, within a few months, passed the 8,000 mark. Hence the form, character and mode of government of the service may soon become a matter of frequent concern in patient-physician relations.

As a basis for their exposition, the authors have chosen structural form rather than historical genesis. The economy of language and the technical competence of writing is so high that hasty readers, who know about the institution only through this article, might incautiously infer that the organizing task had been a simple one. They might conclude, for example, that the 9-point "instruction to counsel" had been completely worked out before extensive consideration was given to procedure and to structural form. Even the most skilled reader, relying on the article alone, might miss the provision for growth and metamorphosis implicit both in the instructions and in the adopted plan.

It would be no compliment to the authors or to their client to attempt boldly to transplant their plan into professional and lay surroundings differing materially from those in California. The plan was designed to fit the institutional patterns and trends peculiar to this state; and it was adopted only after prolonged statewide discussion had led to a consensus in the profession on major features. It is this mode of study, this designing process, and this preparatory discussion that are capable of transplantation. It would be a major service if someone who knows the genetic history of California Physicians' Service would write it out at length.—John B. Canning.

Eye, Ear, Nose and Throat Manual for Nurses. By Roy Parkinson, M. D., F. A. C. S., Head Oculist and Assistant to St. Joseph's Hospital, San Francisco, California. Fourth Edition. Cloth. Pp. 243, illustrated. \$2.25. St. Louis: The C. V. Mosby Company, 1939. Parkinson's book gives a very brief outline of the anatomy and physiology in the more common clinical conditions of this field. The illustrations, particularly of the

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instruments, should be a great aid to students in the operating room and clinical work. Considerable space is devoted to the extremely important topic of postoperative care.

The main defect of the book is its lack of organization of the subject material.

Tuberculosis and Social Conditions in England. With special Reference to Young Adults: A Statistical Study. By P. D'Arcy Hart, M. D., F. R. C. P., member of the Scientific Staff, Medical Research Council; and G. Payling Wright, D. M., M. R. C. P., Sir William Dunn Professor of Pathology, Guy's Hospital Medical School, University of London. Foreword by the Marchioness of Titchfield, Chairman of Council of the National Association. Preface by Sir Arthur S. MacNalty, K. C. B., M. D., F. R. C. P., Chief Medical Officer of the Ministry of Health. Paper. Pp. 165. Price, 3s. London: National Association for the Prevention of Tuberculosis, 1939.

A striking fact emerges from a consideration of the statistics of tuberculosis mortality rates in England, namely, while the death rate as a whole has been declining since 1900, there has been a retardation in the decline in mortality among young adults. This is particularly marked in young women from 15 to 24 years of age. An attempt is here made to study at length statistically "the development, distribution and causation of the retardation in the decline."

The influence of certain social conditions, such as standards of living, housing conditions, poverty, volume of occupation and nutrition are considered. A definite correlation was found with substandard housing and volume of industrial occupation, which exerted an effect selectively upon phthisis in young adults, who are considered to be more sensitive to the conditions to which they are subjected during their formative years. The authors state that the evidence presented is against the hypothesis that the present high mortality among young adults has been due to decreased tuberculinization in childhood, with resulting reduced immunity in adolescence; but their method of arriving at this inference seems ingenious rather than conclusive.

This study should be of interest to lay workers in the tuberculosis field, as well as to physicians. A good summary of each chapter and a general summary at the end will give the gist of the report to those who do not wish to study the rather elaborate statistical details.—J. Lloyd Eaton.

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Leaflet Regarding Rules of Publication.—CALIFORNIA AND WESTERN MEDICINE has prepared a leaflet explaining its rules regarding publication. This leaflet gives suggestions on the preparation of manuscripts and of illustrations. It is suggested that contributors to this Journal write to its office requesting a copy of this leaflet.

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EDITORIALS†

SIXTY-NINTH ANNUAL SESSION OF THE CALIFORNIA MEDICAL ASSOCIATION

Informal Meetings of Sunday, May 5.—On Sunday morning, May 5, the 1940 annual session of the California Medical Association will open at Coronado, in informal fashion, with study conferences by groups of physicians interested in problems relating to cancer, radiology and pathology.

In the afternoon, the county society secretaries will meet with the Association Secretary, Dr. Robert A. Peers of Colfax presiding, to discuss special and general work coming under their joint and individual jurisdictions.

The Council of the State Association will convene for its first meeting on the evening of Sunday, and on each of the four following days will hold a meeting to consider pertinent business.

* * *

Hotel and Other Information Was Given in the November Issue.—A general outline of the plans for the scientific programs appeared on page 289, in the November, 1939, issue of CALIFORNIA AND WESTERN MEDICINE, hotel information and rates being given on page 333 of the same number. While the headquarters of this year's annual session will be at the Hotel Del Coronado, many members who wish to attend may prefer to make reservations at other hotels, either in Coronado or San Diego. The ferry service between Coronado and San Diego is frequent, boats making the trip about every ten minutes, except during the early morning hours.

* * *

Emphasis on General Meetings to Be Held Each Morning.

—This year will witness a try-out of a new arrangement of general meetings and those of the scientific sections, of which latter the Association has twelve. The California Medical Association Committee on Scientific Work and the officers of the scientific sections agreed that there had gradually developed, at the annual sessions, an overemphasis on papers concerned with specialties in medicine, and that the increased meetings of specialty groups, while of interest to a limited number of physicians in attendance, was taking away,

† Editorials on subjects of scientific and clinical interest, contributed by members of the California Medical Association, are printed in the Editorial Comment column which follows.